



Customer No. 22,582  
Application No. 09/673,476  
Attorney Docket No. 03495.0320  
(formerly 05394.0011)

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1-52. (canceled)

53. (currently amended) A purified polynucleotide, comprising an Open Reading Frame contained within SEQ ID NO:1, wherein SEQ ID NO: 1 consists of nucleotide 1,696,015 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome, and ~~or fragment thereof~~, wherein the polynucleotide is selected from:

~~(a) nucleotide 1,696,015 through nucleotide 1,696,441 of the *Mycobacterium tuberculosis* chromosome;~~

(a) ~~(b)~~ nucleotide 1,696,015 through nucleotide 1,697,420 of the *Mycobacterium tuberculosis* chromosome;

(b) ~~(c)~~ nucleotide 1,696,015 through nucleotide 1,699,892 of the *Mycobacterium tuberculosis* chromosome;

(c) ~~(d)~~ nucleotide 1,696,015 through nucleotide 1,701,088 of the *Mycobacterium tuberculosis* chromosome;

(d) ~~(e)~~ nucleotide 1,696,015 through nucleotide 1,702,588 of the *Mycobacterium tuberculosis* chromosome;

(e) ~~(f)~~ nucleotide 1,696,015 through nucleotide 1,704,091 of the *Mycobacterium tuberculosis* chromosome;

(f) ~~(g)~~ nucleotide 1,696,015 through nucleotide 1,705,056 of the *Mycobacterium tuberculosis* chromosome;

(g) ~~(h)~~ nucleotide 1,696,015 through nucleotide 1,705,784 of the *Mycobacterium tuberculosis* chromosome;

(h) ~~(i)~~ nucleotide 1,696,015 through nucleotide 1,706,593 of the *Mycobacterium tuberculosis* chromosome;

(i) ~~(j)~~ nucleotide 1,696,015 through nucleotide 1,707,524 of the *Mycobacterium tuberculosis* chromosome; or

(j) ~~(k)~~ nucleotide 1,696,015 through nucleotide 1,708,648 of the *Mycobacterium tuberculosis* chromosome.

54. (currently amended) A purified polynucleotide, comprising an Open Reading Frame contained within SEQ ID NO:1, wherein SEQ ID NO: 1 consists of nucleotide 1,696,015 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome, and wherein the polynucleotide is selected from:

(a) nucleotide 1,696,728 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(b) nucleotide 1,698,096 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(c) nucleotide 1,700,210 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(d) nucleotide 1,701,293 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(e) nucleotide 1,703,072 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(f) nucleotide 1,704,091 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(g) nucleotide 1,705,056 through nucleotide 1,708,746 ~~[[f]]~~ of the *Mycobacterium tuberculosis* chromosome;

(h) nucleotide 1,705,808 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome

(i) nucleotide 1,706,631 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome; or

(j) nucleotide 1,707,530 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome.

55. (currently amended) A purified polynucleotide, comprising an Open Reading Frame contained within SEQ ID NO:1, wherein SEQ ID NO: 1 consists of nucleotide 1,696,015 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome, and wherein the polynucleotide is selected from:

(a) nucleotide 1,696,015 through nucleotide 1,698,096 of the *Mycobacterium tuberculosis* chromosome;

(b) nucleotide 1,696,015 through nucleotide 1,700,210 of the *Mycobacterium tuberculosis* chromosome;

(c) nucleotide 1,696,015 through nucleotide 1,701,293 of the *Mycobacterium tuberculosis* chromosome;

(d) nucleotide 1,696,015 through nucleotide 1,703,072 of the *Mycobacterium tuberculosis* chromosome;

(e) nucleotide 1,696,015 through nucleotide 1,704,091 of the *Mycobacterium tuberculosis* chromosome;

(f) nucleotide 1,696,015 through nucleotide 1,705,056 of the *Mycobacterium tuberculosis* chromosome;

(g) nucleotide 1,696,015 through nucleotide 1,705,808 of the *Mycobacterium tuberculosis* chromosome

(h) nucleotide 1,696,015 through nucleotide 1,706,631 of the *Mycobacterium tuberculosis* chromosome; or

(i) nucleotide 1,696,015 through nucleotide 1,707,530 of the *Mycobacterium tuberculosis* chromosome.

56. (currently amended) A purified polynucleotide, comprising an Open Reading Frame contained within SEQ ID NO:1, wherein SEQ ID NO: 1 consists of

nucleotide 1,696,015 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome, and wherein the polynucleotide is selected from:

(a) nucleotide 1,696,441 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(b) nucleotide 1,697,420 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(c) nucleotide 1,699,892 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(d) nucleotide 1,701,088 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(e) nucleotide 1,702,588 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(f) nucleotide 1,704,091 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(g) nucleotide 1,705,056 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(h) nucleotide 1,705,784 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome;

(i) nucleotide 1,707,524 through nucleotide 1,708,746 of the *Mycobacterium tuberculosis* chromosome; or

(j) nucleotide 1,706,593 through nucleotide 1,708,746 of the Mycobacterium tuberculosis chromosome.

57. (canceled)

58. (canceled)